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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA
NEWS 41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42	Jun 02	Simultaneous left and right truncation added to CBNB

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 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
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               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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FILE COVERS 1907 - 2 Jun 2003  VOL 138 ISS 23
FILE LAST UPDATED: 1 Jun 2003  (20030601/ED)

  This file contains CAS Registry Numbers for easy and accurate
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=> s hydrangea and  macrophylla
            482 HYDRANGEA
             21 HYDRANGEAS
            488 HYDRANGEA
                  (HYDRANGEA OR HYDRANGEAS)
            883 MACROPHYLLA
L1          196 HYDRANGEA AND  MACROPHYLLA

=> s L1 and tannins
          19408 TANNINS
L2            2 L1 AND TANNINS

=> D L2 1-2 ibib abs hitrn
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L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:279863 CAPLUS
DOCUMENT NUMBER: 120:279863
TITLE: Antiaging cosmetics containing plant extracts
INVENTOR(S): Koikawa, Yoko; Suetsugu, Kazuhiro; Tanaka, Hiroshi; Shiba, Atsushi
PATENT ASSIGNEE(S): Narisu Cosmetic Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06024937	A2	19940201	JP 1992-196230	19920629
JP 2001122765	A2	20010508	JP 2000-338294	19920629

PRIORITY APPLN. INFO.: JP 1992-196230 A3 19920629
AB Compns. contg. plant exts. and org. compds., such as L-cysteine, glutathione, mannitol, and gallic acid, are claimed for inhibition of mucopolysaccaride degrdn., for elimination of reactive oxygen species, and as antioxidants. For example, dried Gentiana scabra was extd. with an ethanolic soln. and formulated into a cream.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:69953 CAPLUS
DOCUMENT NUMBER: 60:69953
ORIGINAL REFERENCE NO.: 60:12363b-c
TITLE: Effect of seed treatment with extracts of organisms and the solutions of some chemical substances on the resistance to salt concentrations in wheat seedlings
AUTHOR(S): Miyamoto, Takao
CORPORATE SOURCE: Justus-Liebig-Univ., Giessen, Germany
SOURCE: Physiologia Plantarum (1963), 16(2), 333-6
CODEN: PHPLAI; ISSN: 0031-9317
DOCUMENT TYPE: Journal
LANGUAGE: English
AB cf. CA 57, 7661e. Seeds were soaked in the exptl. solns. then grown in soil to which various levels of NH_4NO_3 were added. Increased resistance of the seedlings to salt concns. was demonstrated with ext. of leaves of **Hydrangea macrophylla**, beef, bakers' yeast, 0.1% 2-chloroethanol, 0.2% LiBr, and 0.2% tannin.

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=> s hydrangea and tannins
           482 HYDRANGEA
            21 HYDRANGEAS
           488 HYDRANGEA
                 (HYDRANGEA OR HYDRANGEAS)
         19408 TANNINS
L3          10 HYDRANGEA AND TANNINS

=> d L3 1-10 ibib abs hitrn
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L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:894791 CAPLUS
DOCUMENT NUMBER: 137:389032
TITLE: Deodorant compositions containing polyphenols
INVENTOR(S): Sugimoto, Kenichi
PATENT ASSIGNEE(S): Kanebo, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002336338	A2	20021126	JP 2001-148783	20010518

PRIORITY APPLN. INFO.: JP 2001-148783 20010518

AB Deodorant compns. (pH 3-6) contain (A) polyphenols selected from **tannins**, pyrogallol **tannins**, and catechol **tannins** and (B) org. acids and their salts as buffer substances. A lotion (pH 4.9) contg. LA-J (tea ext.) 0.1, tartaric acid 0.5, Na tartrate 2.0, EtOH 40, and H2O to 100 wt.% showed no skin irritation, removed tobacco odor from human hair, and did not damage the hair.

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:703416 CAPLUS
DOCUMENT NUMBER: 135:231528
TITLE: Skin barrier-enhancing cosmetic compositions containing plant extracts
INVENTOR(S): Kondo, Tomoko; Kato, Yuri; Yamaki, Kazuhiro
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001261543	A2	20010926	JP 2000-76006	20000317

PRIORITY APPLN. INFO.: JP 2000-76006 20000317

AB This invention relates to skin barrier-enhancing compns. contg. plant-originated ceramide prodn. enhancers and plant-originated **tannins**. A cosmetic emulsion contained Eucalyptus globulus exts. (as ceramide prodn. enhancer) 0.05, Hamamelis virginiana exts. (as tannin source) 0.05, sorbitan monostearate 0.2, polyoxyethylene sorbitan monostearate 0.5, stearoylmethyltaurine sodium 0.7, cholesteryl isostearate 0.2, cholesterol 0.1, cetanol 0.3, stearyl alc. 0.2, squalane 3, glycerin 3, 1,3-butylene glycol 2, tocopherol 0.1, carboxyvinyl polymer 0.3, methylpolysiloxane 1.5, cyclosiloxane 1, KOH 0.1, paraben 0.2, and distd. water balance to 100 %.

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:584309 CAPLUS
DOCUMENT NUMBER: 127:181151
TITLE: Compositions containing GOD-type ellagitannins as sugar-degradating enzyme inhibitors for therapeutic use
INVENTOR(S): Nakahara, Koichi; Miyagawa, Katsuro; Nakai, Masaaki
PATENT ASSIGNEE(S): Suntory, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09176019	A2	19970708	JP 1995-350840	19951226

PRIORITY APPLN. INFO.: JP 1995-350840 19951226

OTHER SOURCE(S): MARPAT 127:181151

AB Compns. contg. GOD-type ellagitannins extd. from e.g. Rosa henryi as sugar-degradating enzyme inhibitors are effective in controlling e.g. diabetes and obesity. Tablets were formulated contg. GOD-type ellagitannins 150, lactose 150, and magnesium stearate 5g. GOD-type ellagitannins also can be incorporated into foods.

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:371765 CAPLUS
DOCUMENT NUMBER: 125:141068
TITLE: Inhibitory effects of plant constituents on the mutagenicity of C-nitro and C-nitroso compounds formed by reaction of sorbic acid with sodium nitrite
AUTHOR(S): Achiwa, Yumiko; Hibasami, Hiroshige; Katsuzaki, Hirotaka; Kada, Tsuneo; Komiya, Takashi
CORPORATE SOURCE: Tsurumi Shuzo Co., Ltd., Tsushima, 496, Japan
SOURCE: Nippon Shokuhin Kagaku Kogaku Kaishi (1996), 43(5), 493-501
CODEN: NSKKEF; ISSN: 1341-027X
PUBLISHER: Nippon Shokuhin Kagaku Kogakkai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Inhibitory effects of many species of vegetable and plant exts. (45 species of vegetables, 15 species of fruits, 2 species of nuts, 20 species of grasses, and 21 species of trees) on the mutagenicity of C-nitro and C-nitroso compds. formed by reaction of sorbic acid with sodium nitrite were investigated by using of Rec-assay method. Ext. of persimmon (Diospyros), knotweed (Polygonum longisetum), and Japanese-aucuba (Aucuba Japonica) remarkably inhibited the mutagenicity. The Fraction III sepd. from persimmon ext. by ultracentrifugation inhibited the mutagenicity, and moreover its inhibitory effect on the mutagenicity still remained after treatment with some proteases. This fact suggests that the inhibitory factor in the persimmon ext. against the mutagenicity may be constituents other than proteins. The inhibitory effect of persimmon ext. on formation of nitrosomorpholine in the reaction of morpholine with sodium nitrite was investigated using HPLC. Addn. of an excess of sodium nitrite increased the content of nitrosomorpholine formed in the reaction mixt. of morpholine with sodium nitrite contg. persimmon ext. However, the content did not change by addn. of an excess of morpholine. From these results, the inhibitory substance was considered to be kakitannin which can scavenge sodium nitrite.

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:279863 CAPLUS
DOCUMENT NUMBER: 120:279863
TITLE: Antiaging cosmetics containing plant extracts
INVENTOR(S): Koikawa, Yoko; Suetsugu, Kazuhiro; Tanaka, Hiroshi; Shiba, Atsushi
PATENT ASSIGNEE(S): Narisu Cosmetic Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06024937	A2	19940201	JP 1992-196230	19920629
JP 2001122765	A2	20010508	JP 2000-338294	19920629

PRIORITY APPLN. INFO.: JP 1992-196230 A3 19920629

AB Compns. contg. plant exts. and org. compds., such as L-cysteine, glutathione, mannitol, and gallic acid, are claimed for inhibition of mucopolysaccaride degrdn., for elimination of reactive oxygen species, and

as antioxidants. For example, dried Gentiana scabra was extd. with an ethanolic soln. and formulated into a cream.

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1979:609629 CAPLUS
DOCUMENT NUMBER: 91:209629
TITLE: Studies on the development of **hydrangea** and stevia as a natural sweetening products
AUTHOR(S): Chung, Myung Hyun; Lee, Myung Yul
CORPORATE SOURCE: Coll. Pharm., Chosun Univ., Gwangju, S. Korea
SOURCE: Saengyak Hakhoechi (1978), 9(3), 149-56
CODEN: SYHJAM; ISSN: 0253-3073
DOCUMENT TYPE: Journal
LANGUAGE: Korean
AB Stevioside [57817-89-7] could be economically manufd. from Stevia leaves grown in Korea, but the amt. of phyllodulcin [21499-23-0] in the Hydrangla plants was too low to be of com. interest. Stevia Leaf contained 8.7% ash and 7.8% **tannins**; Hydrangla contained 9.5% tannin, but fermn. decreased it to 6.1%. Conditions for cultivating these plants in Korea were detd.

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:117799 CAPLUS
DOCUMENT NUMBER: 88:117799
TITLE: Astringency of leaves. Part 2. Astringent **tannins** of Viburnum and **Hydrangea** species
AUTHOR(S): Bate-Smith, E. C.
CORPORATE SOURCE: Inst. Anim. Physiol., ARC, Babraham/Cambridge, UK
SOURCE: Phytochemistry (Elsevier) (1978), 17(2), 267-70
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The **tannins** of the leaves of Viburnum and **Hydrangea** species consisted of proanthocyanidins only, but in each genus the range was very wide. In several species of **Hydrangea** the proanthocyanidins were of the A type (containing procyanidin type A), otherwise they were mostly tri- or tetrameric B type. Tannin content was correlated with evolutionary advancement, the more advanced and more widely dispersed species having the less. Species with most tannin occurred in E. Asia and E. N. America, but species with little or no tannin were present in both areas . The occurrence in both genera of globose inflorescences with sterile flowers is correlated neither with morphol. nor with chem. characters.

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1977:500884 CAPLUS
DOCUMENT NUMBER: 87:100884
TITLE: Sweetner extraction from **Hydrangea** serrata
INVENTOR(S): Masuyama, Fumio
PATENT ASSIGNEE(S): Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 52064462	A2	19770527	JP 1975-141704	19751121

PRIORITY APPLN. INFO.: JP 1975-141704 19751121
AB Washed buds and young leaves of H. serrata were pressed to yield green juice; after removal of **tannins** by solvent extn., the green

juice was concd. to obtain a natural sweetener.

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:69953 CAPLUS
DOCUMENT NUMBER: 60:69953
ORIGINAL REFERENCE NO.: 60:12363b-c
TITLE: Effect of seed treatment with extracts of organisms and the solutions of some chemical substances on the resistance to salt concentrations in wheat seedlings
AUTHOR(S): Miyamoto, Takao
CORPORATE SOURCE: Justus-Liebig-Univ., Giessen, Germany
SOURCE: Physiologia Plantarum (1963), 16(2), 333-6
CODEN: PHPLAI; ISSN: 0031-9317
DOCUMENT TYPE: Journal
LANGUAGE: English
AB cf. CA 57, 7661e. Seeds were soaked in the exptl. solns. then grown in soil to which various levels of NH_4NO_3 were added. Increased resistance of the seedlings to salt concns. was demonstrated with ext. of leaves of **Hydrangea** macrophylla, beef, bakers' yeast, 0.1% 2-chloroethanol, 0.2% LiBr, and 0.2% tannin.

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1938:60282 CAPLUS
DOCUMENT NUMBER: 32:60282
ORIGINAL REFERENCE NO.: 32:8476b-f
TITLE: The nature and inheritance of flower color
AUTHOR(S): Scott-Moncrieff, Rose; O. Meares, Rose
SOURCE: Sci. Hort. (1938), 6, 124-32
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C. A. 32, 6676.6. Two types of sap-sol. pigments consist of the anthocyanins, varying individually in color from salmon and scarlet through red and purple to blue, and the anthoxanthins (flavones and flavonols) which are of various shades between pale ivory and deep yellow. The insol. plastid pigments are yellow and orange. Other things being equal, an increase in the no. of O atoms in the mol. results in a more blue-toned pigment. Variations in the nature of the sugar group attached to the pigment mol. may affect color considerably. Substances such as flavones and **tannins** which accompany anthocyanins tend to increase blueness and account for such differences in color as that between magenta and red primroses, etc. A change in sap pH causes one of the most extreme color variations. With the exception of the **hydrangea**, nearly all variations in flower color are strictly inherent in the plant itself. The more oxidized pigment types are always more intense and bluer-toned and are inherited as dominants to the less oxidized types except with bright scarlet pigmentation. Wild types are copigmented and are dominant to the less blue-toned noncopigmented forms. Mutation to a less acid pH is one of the chief factors responsible for many of the recessive mauve, purple and blue varieties. In a pure species the no. of methods for control of color variations is generally fewer and less varied than in hybrids. A knowledge of the nature of flower color, the usual rules of inheritance and of competitive production of the various pigments are an aid to the choice of varieties for crosses.

=> file stnguide

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